

What Is Claimed

1. A motorcycle having front and rear wheels, said front wheel being steerably supported by a front fork with a head pipe, said rear wheel having suspension, said motorcycle comprising:

5 an engine having a front portion and a rear portion, said engine being provided with a case and a cylinder portion formed at least partially integral with an upper portion of the case;

a front frame connecting the front portion of said engine with said head pipe; said front frame having upper and lower joining portions, said lower joining portion being joined
10 to said cylinder portion which is integral with said case; and

a rear frame connecting the rear portion of said engine with said suspension of said rear wheel;

wherein said engine forms part of a body frame for said motorcycle.

2. The motorcycle in accordance with claim 1, wherein said lower joining
15 portion of the front frame comprise a pair and project inwardly to overlap said cylinder portion of said engine.

3. The motorcycle in accordance with claim 1, wherein said lower joining portion of the front frame comprise a pair at front and rear sides, the joining portion at the rear side being positioned higher than the joining portion at the front side.

20 4. The motorcycle in accordance with claim 1, wherein in a side view said front frame has a first end portion on a first side where the cylinder portion is joined to the front frame and a second end portion on a second side where the front frame is connected with the head pipe, said first end portion being wider than said second end portion.

5. The motorcycle in accordance with claim 1, wherein said cylinder portion
25 has a cylinder head and said front frame has a middle portion which is convex upward and rearward, in a side view said front frame overlapping the cylinder head and said motorcycle having a radiator placed between said head pipe and the cylinder head.